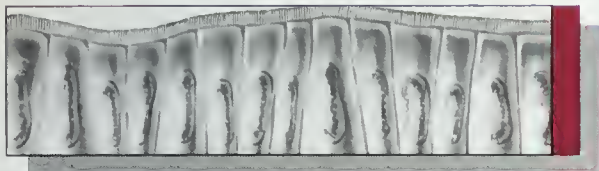
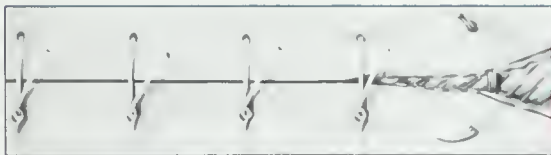


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Admission to Veterinary Medicine

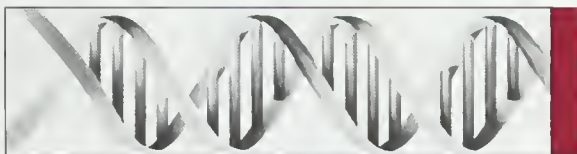
*University of Illinois
College of Veterinary Medicine
Urbana-Champaign*



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The profession of veterinary medicine is dedicated to the development of knowledge, skills, and techniques for maintaining optimal levels of health and quality of life for animals and people.

Education and Training

The University of Illinois College of Veterinary Medicine offers professional training leading to a wide variety of careers in veterinary medicine. The four-year curriculum provides students with a theoretical and practical foundation in basic biological sciences and medicine and a broad range of clinical training and experience. Upon successful completion of the curriculum, the student is awarded the degree of Doctor of Veterinary Medicine (DVM).

Admission to the professional program is competitive, requiring successful completion of college-level prerequisites and experience-based knowledge of the profession. Once admitted to the University of Illinois College of Veterinary Medicine, professional students spend two years of study in the basic sciences curriculum and two years in the clinical program.

At the University of Illinois College of Veterinary Medicine, students work with outstanding clinical and research faculty who are leaders in their fields. During the basic science years, students develop a sound foundation in veterinary anatomy, neurology, physiology, microbial pathology, immunology, virology, and diagnostic medicine. Students in the third year of the program apply their knowledge in the college's clinical facilities through coursework and supervised practical experience.

In the final year, seniors work with staff veterinarians, clients, and patients in the college's teaching hospital. Rotations through all clinical sections in the teaching hospital give senior students experience in small and large animal medicine and surgery, radiology, anesthesiology, equine and food animal medicine, ophthalmology, and diagnostics.

Each year, graduating seniors choose from a large number and variety of jobs in which to begin the development of their careers.



Career Options

Veterinarians have always been thought of as practitioners who treat diseased animals; and, in fact, almost all veterinarians apply their skills in practice settings for some portion of their careers. Many develop highly successful practices. But, today there are additional career paths for veterinarians to follow. Because of the broad scientific training and the use of state-of-the-art tools and techniques, veterinary medicine is the foundation for an almost limitless variety of health-related careers.

Doctors of veterinary medicine serve pet and livestock owners. With some special training, they also have the option of becoming clinical specialists, basic or clinical research scientists, or consultants to agri-business on herd health practices.

Veterinarians contribute to the eradication of disease in public health careers or help shape government policy as regulatory officers. Their skills are also employed in biologically related industries. In chemical, cosmetic, pharmaceutical, and animal food and health products companies, doctors of veterinary medicine play a variety of roles. For example, in company laboratories, veterinarians trained in laboratory animal medicine are responsible for the health and well-being of research animals.

Government employees at the national, state, and local level such as wildlife researchers or environmental and occupational epidemiologists are often veterinarians. In the military service, veterinarians provide medical expertise, work to ensure safe and nutritious food for personnel, manage animal experiments, or supervise animal research colonies for the Armed Services or agencies such as NASA.

Some veterinarians choose to work with exotic animals, treating either unusual pets or zoo or circus animals. While the availability of these opportunities is limited, they do exist.

Board certification as a surgeon, an anesthesiologist, a pathologist, an ophthalmologist, or other specialty will qualify a veterinarian for one of many unique positions in practice, industry, or a university.

For more information about developing a career in veterinary medicine, contact Dr. Nancy Martin Bailey, Associate Dean for Student Affairs, 2271G Veterinary Medicine Basic Sciences Building, 2001 S. Lincoln Avenue, Urbana, Illinois 61801, (217)333-1192.

Preprofessional Course Requirements

Acceptance into the DVM degree program comes only after the completion of a required pattern of college level courses. Those students whose interest in veterinary medicine develops during the high school years should plan a college preparatory program. Studies in biology, chemistry, physics, mathematics (through trigonometry), English, foreign language, humanities, and social sciences provide a foundation for success in college coursework.

The college-level program for students preparing to apply to the University of Illinois College of Veterinary Medicine must include a minimum of 60 semester hours (90 quarter hours) of college-level courses, as specified below, and must be completed at an accredited college or university. The courses in biology, chemistry, physics, and genetics must be equivalent in content to those required for students majoring in biological sciences. It is strongly recommended that students do the required coursework in the context of meeting the requirements for an undergraduate degree. Any major field of study is acceptable as long as the minimum requirements for application to the College of Veterinary Medicine are included in the student's program.

The minimum requirements for application to the College of Veterinary Medicine are as follows:

Biological sciences: Two semesters (8 semester hours) or the equivalent of college level course work in biological sciences with laboratory. These courses should emphasize the molecular basis for heredity, evolution, development, and the structure and function of cells, organisms, and populations.

Chemistry: Four semesters (16 semester hours) or the equivalent of college-level course work in chemistry, including courses in organic chemistry with laboratory and biochemistry. The biochemistry course should emphasize the chemistry and metabolism of carbohydrates, lipids, proteins, nucleic acids, vitamins and coenzymes and their role in the regulation of cellular processes. Organic chemistry must be a prerequisite of the biochemistry course.

Physics: Two semesters (8 semester hours) or the equivalent of college-level course work in physics with laboratory. These courses should include the topics of mechanics, heat, sound, light, electricity, and magnetism.

Genetics: One semester (3 semester hours) or the equivalent of college-level course work in genetics. The course should emphasize



principles of molecular genetics and provide experience in combinatory analysis.

Animal sciences: One semester (3 semester hours) or the equivalent of college-level course work in surveying the livestock and poultry industries with emphasis on the breeding, selection, feeding, and management of food animals. (For successful applicants who take their preprofessional course work at an institution where an acceptable animal sciences course is not available, this requirement may be satisfied at the University of Illinois during the summer session prior to enrollment in the College of Veterinary Medicine.) A one semester course in animal nutrition is desirable and can be substituted for the required animal nutrition course in the veterinary curriculum (Animal Sciences 325).

English: One semester (3 semester hours) or the equivalent of college-level course work in rhetoric or English composition. The course should emphasize and give practice in methods of exposition, argument, use of evidence, and style. Although only one semester of English is currently required, a second semester is highly recommended. One semester of speech communication may be substituted for a second semester of composition.

Humanities and social sciences: Four semesters (12 semester hours) or the equivalent of college-level course work in the humanities and/or social sciences. Courses in philosophy,

psychology, history, fine arts, economics, foreign language and related courses develop reasoning, problem solving, and communication skills which are crucial to success in veterinary medicine.

Electives: Optional courses (7 semester hours). It is a good idea to take upper level science courses with some relevance to the veterinary curriculum and, because of the structured nature of the professional curriculum, upper level humanities courses to augment your scientific training.

Information on the acceptability of specific course offerings is available from Tammie Bouseman, Assistant to the Director of Admissions, Office of Admissions and Records, 10 Administration Building, 506 S. Wright St., Urbana, Illinois 61801, (217)333-0306.

Requirements for admission can be completed at most collegiate institutions. Students wishing to complete basic requirements for admission on the Urbana-Champaign campus of the University of Illinois may do so within a variety of curricula in either the College of Agriculture or the College of Liberal Arts and Sciences. While in the College of Agriculture, animal sciences is the typical curriculum and in the College of Liberal Arts and Sciences, general biology is the usual option, no particular university, college, or curriculum confers an advantage in the admissions process.

Application Procedure

Application materials for the professional curriculum are available from the Office of Admissions and Records, University of Illinois at Urbana-Champaign, 10 Administration Building, 506 South Wright Street, Urbana, IL 61801, between September 1 and December 15. No application materials will be mailed after December 1. (New students enter the College of Veterinary Medicine in the fall only.)

An optional early notification deadline is available only for out-of-state students who have completed sixty or more semester hours by the end of the summer preceding application. All components of the application must be received in the Office of Admissions and Records by November 1.

For Illinois residents and out-of-state students who are not interested in early notification, the completed application, fee, self-evaluation form, and letters of recommendation must be received in the Office of Admissions and Records by 5:00 p.m., December 15. Transcripts and results of the Veterinary Aptitude Test must be received by 5:00 p.m., February 1 for the application to be complete and the applicant to be considered for admission. Final grades for the fall term prior to enrollment must be on the transcript submitted for the February 1 credential deadline or consideration will be terminated.

In addition to submitting transcripts of all collegiate work, applicants also must provide official scores of their performance on the Veterinary Aptitude Test. These scores must be sent to the Office of Admissions and Records directly from The Psychological Corporation, which administers the examination. The VAT is

offered at various nationwide locations during the late fall, winter, and spring of each year. VAT scores valid for the class beginning in 1988 are from tests taken in November, 1985 through January, 1988. The October, 1987 test date is the last date which can be used for the optional early notification for out-of-state applicants. If more than one score is available, the highest of the two most recent scores will be used.

Information on arranging to take the examination is available in the College of Veterinary Medicine application packet or from The Psychological Corporation, 555 Academic Ct., San Antonio, TX 78204.

In addition to the VAT scores, transcripts, and self-evaluation, a minimum of three letters of evaluation is required. They should be written by persons who can evaluate the applicant's experience and ability relating to professional and scientific study. At least two letters should be from college instructors or academic advisers. A letter from at least one practicing veterinarian who is familiar with the student's potential is highly desirable. Students who are currently enrolled in graduate school must provide a letter from their graduate adviser delineating their current status in graduate school and the likely completion date of their graduate program. No more than six letters of recommendation should be submitted.

The application must be accompanied by a nonrefundable application fee of \$25, which is used to cover partial costs of processing the application for presentation to the College of Veterinary Medicine's Committee on Admissions.



Selection Criteria

The Committee on Admissions of the College of Veterinary Medicine will consider an application only if the applicant presents a minimum cumulative grade-point average of 3.5 (3.0 = C) for in-state applicants and 3.5 for out-of-state applicants at the end of the fall term preceding the desired date of admission. Applicants must also indicate their plans for completing course requirements by the date of desired admission. All coursework must be complete by the time of admission.

Potential applicants should realize that fulfillment of the minimum academic requirements does not guarantee admission to the professional curriculum. Recently, there have been two to three applicants for each place available in the entering class. The mean grade-point average of the applicants selected has been slightly above 4.50 (A = 5.00), and the mean number of preprofessional hours completed has been near 120. This level of competition is expected to continue. In addition, most applicants who are admitted have a considerable amount of experience with and exposure to animals and the veterinary profession, as well as strong records of participation in extracurricular and community activities.

Because of the size and quality of the applicant pool, only a few highly qualified applicants have been admitted with the minimum of 60 semester hours in recent years. Therefore, students are urged to structure their programs to qualify for a bachelor's degree in their area of study within the normal four-year period and apply to the College of Veterinary Medicine when first eligible. Those students who do not gain admission on first application are encouraged to reapply to the College of Veterinary Medicine as they accrue more hours.

Applicants are expected to demonstrate strong potential for contribution to and advancement of the profession. An interview may be required by the committee as a means of confirming and supplementing information obtained from the materials submitted.

In considering applications for admission, preference is given to applicants who are residents of Illinois and do not claim residency in another state. Additional openings are reserved for highly qualified nonresidents. Opportunities for admission of foreign students are virtually nonexistent.

The professional program of the College of Veterinary Medicine is accessible to all persons who meet the academic and technical standards for admission and participation in the educational program of the college. Such persons will not be denied admission on the basis of a handicap. However, during their course of study, students treat animal patients under the supervision of the clinical faculty. Such clinical duties may not be waived as they are an essential part of the educational program. Since the technical standards of the college (as well as the veterinary medical profession) require that the safety of both animal patients and veterinary students be protected, applicants with a physical handicap are encouraged to meet with the college clinical faculty prior to application to determine their potential for safely completing the clinical portion of the veterinary training. For more information regarding selection criteria, contact: Dr. Lloyd C. Helper, Associate Dean for Academic Affairs, 2271G Veterinary Medicine Basic Sciences Building, 2001 South Lincoln, Urbana, Illinois 61801, (217)333-1192.



Point-Ranking System (Subject to Change)

Applicants are currently ranked on the basis of a 100-point scale, with allocation of points distributed among the following criteria:

Objective Measures of Academic Performance:

Seventy points - are allocated from grade-point averages determined from official college transcripts and from Veterinary Aptitude Test (VAT) results. The cumulative grade-point, science grade-point, and total number of graded science hours completed in addition to the score earned on the VAT will most likely be used to allocate these points. A limit on total hours may be imposed in the graded science category.

Subjective Measures — Personal:

Thirty points - are allocated by the College of Veterinary Medicine Admissions Advisory Committee on the basis of information submitted with the application and letters of evaluation indicating the applicant's knowledge of, motivation toward, and experience with the veterinary profession; evidence of leadership, initiative, and responsibility; animal contact and experience; extracurricular factors influencing personal growth.

Bonus Points:

Up to eight bonus points - may be allocated to applicants for factors that have influenced academic performance. These factors would include consistently heavy course loads; quality of course or course sequences; and significant academic improvement in grades following a "poor start." Bonus points are recalculated each year for applicants who reapply.

Graduation Requirements

Students who have fulfilled their general education course requirements, passed all courses in the first two years of the veterinary medicine curriculum, and have a cumulative grade-point average of 3.0 (A = 5.0) or better in these courses are eligible for the degree of Bachelor of Science in Veterinary Medicine. Students must have fulfilled the requirements of and successfully completed all courses, lecture and laboratory, prescribed in the four-year veterinary medicine curriculum and have a cumulative grade-point average of 3.0 (A = 5.0) or better in those courses in order to be eligible for the degree of Doctor of Veterinary Medicine (D.V.M.).

Tuition and Fees (Subject to Change)

Baseline figures for 1988 are:

Illinois Residents	\$ 4,286/year
Non-residents	\$11,614/year

In addition to room and board, students should plan to spend about \$400 per year on books and supplies. Each entering first year student must also supply his or her own microscope for classroom use. Minimum specifications are established by the college and given to students upon notification of admission. This is a recoverable investment of \$800 or more.

Financial Aid

Financial aid for students in the College of Veterinary Medicine is based on demonstrated need. Specific information on a variety of federal and state of Illinois grant and loan programs can be obtained from June Mitchell at the Office of Student Financial Aid, University of Illinois at Urbana-Champaign, 420 Fred H. Turner Student Services Building, 610 East John Street, Champaign, IL 61820, (217)333-0100.

In addition, a limited number of scholarships for students in veterinary medicine are administered by the Awards and Scholarships Committee of the College of Veterinary Medicine. Most of these are reserved for students in their third and fourth years who are making exemplary academic progress in the veterinary curriculum.

Housing

University housing regulations do not apply to students in the professional program of the College of Veterinary Medicine. However, veterinary students do have the option of applying for accommodations within the University residence hall system. A limited number of University-owned apartments are available to married students. For the most part, however, married students must rely on the local community to meet their housing needs. Assistance in finding suitable housing is available from the Housing Information Office, University of Illinois at Urbana-Champaign, 2 Fred H. Turner Student Services Building, 610 East John Street, Champaign, IL 61820, (217)333-1420.



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Curriculum (Subject to Change)

First Year

First Semester

Animal Sciences 325 - Principles of Animal Nutrition
 Veterinary Biosciences 300 - Gross Anatomy
 Veterinary Biosciences 301 - Histology/
 Embryology I
 Veterinary Pathobiology 330 - Veterinary Medical History, Ethics, and Orientation
 Veterinary Pathobiology 331 - Veterinary Bacteriology and Mycology
 Veterinary Biosciences 310 - Neurobiology
Total - 19 credit hours

Second Semester

Veterinary Biosciences 302 - Gross Anatomy
 Veterinary Biosciences 305 - Histology/
 Embryology II
 Veterinary Biosciences 315 - Physiology I
 Veterinary Clinical Medicine 378 - Veterinary Clinical Orientation
 Veterinary Pathobiology 332 - Veterinary Immunology
 Veterinary Pathobiology 337 - Veterinary Virology
 Electives
Total - 17-18 credit hours

Second Year

First Semester

Veterinary Biosciences 316 - Physiology II
 Veterinary Biosciences 317 - Physiology/
 Pharmacology Laboratory
 Veterinary Biosciences 318 - Pharmacology I
 Veterinary Clinical Medicine 372 - Veterinary Jurisprudence
 Veterinary Pathobiology 333 - Protozoan, Arthropod, and Helminth Parasites
 Veterinary Pathobiology 334 - General Pathology
 Veterinary Pathobiology 350 - Epidemiology
 Electives
Total - 19-20 credit hours

Second Semester

Veterinary Biosciences 319 - Pharmacology II
 Veterinary Clinical Medicine 360 - Medicine I, General Medicine
 Veterinary Pathobiology 335 - Special Pathology
 Veterinary Pathobiology 338 - Veterinary Clinical Pathology
 Veterinary Pathobiology 341 - Food Hygiene and Public Health
 Electives
Total - 20-21 credit hours

Third Year

First Semester

Veterinary Clinical Medicine 361 - General

Veterinary Surgery

Veterinary Clinical Medicine 362 - Clinical and Laboratory Practice
 Veterinary Clinical Medicine 364 - Medicine II, General Medicine
 Veterinary Clinical Medicine 375 - Theriogenology
 Veterinary Clinical Medicine 376 - Veterinary Anesthesiology and Fluid Therapy
 Veterinary Pathobiology 343 - Diseases of Poultry
Total - 18 credit hours

Second Semester

Veterinary Biosciences 320 - Toxicology
 Veterinary Biosciences 324 - Large Animal Nutrition and/or
 Veterinary Biosciences 326 - Small Animal Nutrition
 Veterinary Clinical Medicine 365 - Special Veterinary Surgery
 Veterinary Clinical Medicine 366 - Clinical and Laboratory Practice
 Veterinary Clinical Medicine 367 - Radiology and Radiobiology
 Veterinary Clinical Medicine 368 - Infectious Diseases and Preventive Medicine
Total - 18-20 credit hours

Fourth Year

Unit I (30 weeks)

Veterinary Clinical Medicine 369 - Clinical and Laboratory Practice
 Electives

Unit II (9 weeks)

Veterinary Clinical Medicine 369 - Clinical and Laboratory Practice
 Electives
Total - 35-40 credit hours (both units)

The policy of the University of Illinois is to comply fully with applicable federal and state nondiscrimination and equal opportunity laws, orders, and regulations. The University of Illinois will not discriminate in its programs and activities against any person because of race, color, national origin, religion, age, sex, marital status, ancestry, handicap, unfavorable discharge from the military, or status as a disabled veteran or veteran of the Vietnam era. This nondiscrimination policy applies to admissions, employment, and access to and treatment in University programs and activities.

For additional information on the equal opportunity and affirmative action policies of the University of Illinois Urbana-Champaign, please contact: William A. Savage, assistant chancellor and director of affirmative action, Swanlund Administration Building, 601 East John Street, Champaign, IL 61820, (217)333-0574.